

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089678 A1

(51) International Patent Classification⁷: A61F 2/40

(21) International Application Number:
PCT/SE2005/000417

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0400756-3 23 March 2004 (23.03.2004) SE

(71) Applicants and

(72) Inventors: EKHOLM, Carl [SE/SE]; Stora Enens väg
7, S-439 31 Onsala (SE). JÖNSSON, Anders [SE/SE];
Fyrmästarvägen 20, S-439 94 Onsala (SE).

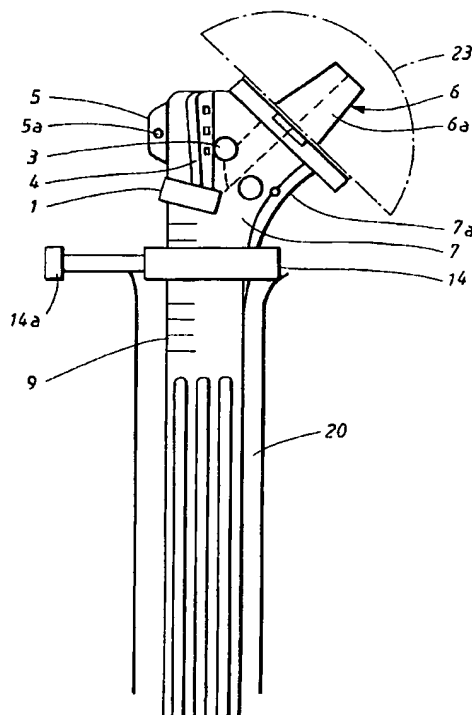
(74) Agent: ALBIHNS GÖTEBORG AB; P.O. Box 142,
S-401 22 Göteborg (SE).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SHOULDER PROSTHESIS AND A SYSTEM FOR IMPLANTING A SHOULDER PROSTHESIS



(57) Abstract: Shoulder prosthesis, including a stem provided to be inserted into a canal of the humerus shaft, a neck and a head supported by the neck. The neck is provided with two holes (1, 2) for anchoring screws (1a, 2a), namely a first hole (1) for a lateral anchoring screw (1a) and a second hole (2) for an anterior anchoring screw (2a). The lateral anchoring screw is provided to attach a first tubercle laterally to the neck and the anterior anchoring screw is provided to attach a second tubercle anterior to the neck. A system for implanting a shoulder prosthesis, comprises a targeting arm attachable to the neck of the prosthesis and is provided with guide means for guiding anchoring screws (1a, 2a) to be screwed into at least a lateral hole (1) and an anterior hole (2) in the neck. The targeting arm is also provided for holding a trial prosthesis.

WO 2005/089678 A1



Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

6/11/05